Specifications: typical @ 25°C ± 5°C

Inputs	S-video, video, audio	5 inputs X 1 out
	gain	1.0 nominal (2 ports)
	video level	1 Vp-p @ 75Ω
	audio level	1 V rms @ 47kΩ
Video performance	video bandwidth	<0.1db (0 - 4MHz)
	crosstalk (0 - 4MHz)	>70 dB
RS-232	pin out	2 TX, 3 RX, 5 GND
	protocol	9600 buad, 8 bit, 1 stop, no parity
Power supply	model number	350-103
	output current	600mA
	output voltage	15 VDC
	input power	105-125 VAC
	power consumption	8 watts typical
Physical	height	4.4 cm (1.75 in)
	width	43.2 cm (17 in)
	depth	16.5 cm (6.5 in)
	weight	1.19 kg (2 lbs 10 oz)

CHANNELPLUS ™

PERFORMANCE MULTI-ROOM VIDEO

Installation Manual
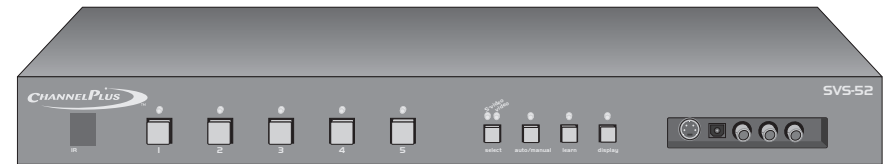
Five Input Video
Audio Switcher

Model
SVS-52

This device complies with the FCC's Part 15 Rules. Any change or modification to this device without the permission of Multiplex Technology, Inc. may void the user's authority to operate this equipment.

multiplex® technology, inc.

The ChannelPlus SVS-52 is a five input audio/video selector. The SVS-52 has inputs for S-video, composite video, analog audio and digital audio. The selected video output is available on two separate but equal outputs. The SVS-52 also has video convertion for viewing S-video on composite or viewing composite video on S-video. A remote control is included for easy input selection.

FRONT PANEL CONTROLS:
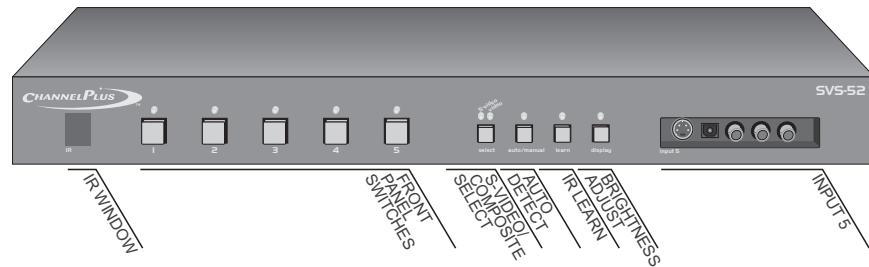
VIDEO SELECTION
Select the desired output by pressing one of the five buttons on the front of the unit. The unit will show which input is selected by an LED over each button.

S-VIDEO/COMPOSITE SELECTION
Press and hold the **select** button for two seconds to toggle between S-video and composite mode. This selection is remembered for each input. Both S-video and composite outputs will show the selected type. For example, if S-video is selected for input 2, it will be available on both the S-video outputs and the composite outputs. The SVS-52 makes the conversion between S-video and composite and composite to S-video with an active comb filter circuit.

AUTO DETECTION
When the auto detection LED is on, the SVS-52 will automatically search all five video inputs to find the active video signal. If this feature is off, the user must select which input to view manually.

FRONT PANEL BRIGHTNESS
The front panel light intensity can be changed by pressing the **display** button on the front. Each button press selects one of four different brightness levels including turning the panel off completely.

FRONT PANEL INPUT
Input 5 on the SVS-52 is available on the front panel for connecting video cameras or game consoles. Its operation is the same as the other four inputs.

POWER FAILURE
The SVS-52 will remember all settings when the power fails. When power resumes, the SVS-52 will power up in the same state as when power was removed - all front panel settings and IR learning will be remembered.
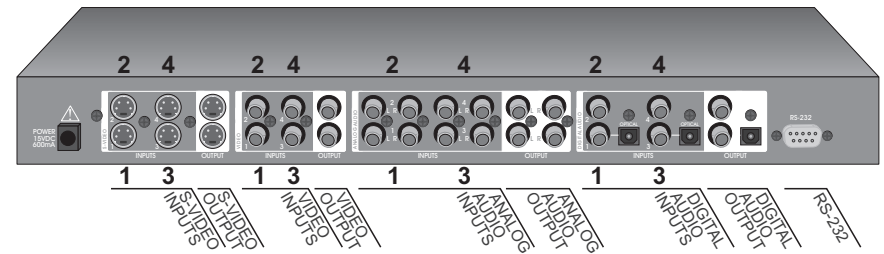
MOUNTING
The SVS switchers can be mounted in standard 19" racks by attaching the included mounting ears. Remove the rubber feet on the bottom of the unit to ensure clearance when inserted into a rack.

SVS-52 contents:
- SVS-52 audio/video switcher   -2 AAA batteries
- SVS-52RC remote control   -Product manual
- 15VDC/600mA power supply   - Mounting ears & screws

CONNECTIONS:

IR OPERATION
The SVS-52 can be controlled via the included remote control. The remote can be used to control three different switchers (using buttons A, B and C). Your unit is set at the factory for unit A. Make sure you press "A" on your remote before using it. Press buttons 1 through 5 to select an input. Pressing a number button twice quickly will toggle the unit between S-video and composite (this is the same function as pressing **select** on the front panel). The remote can also be used to toggle the auto detect feature.

IR LEARNING - INPUT SELECT AND AUTO DETECT
To use another IR remote with the SVS-52, press and hold the **learn** button for three seconds. The learn LED will flash to indicate the SVS-52 is in learn mode. Then press an input button to be learned. The LED will light for that input. Point the remote at the IR window on the front of the SVS-52. Press and hold the desired key on the remote for two seconds then release. The LED for that switch will go out indicating that the code has been learned. If the light does not go out, check the remote and try again. Press another SVS-52 button to repeat the process for all input selects and **auto detect**. When finished, press the **learn** button to exit the learn mode. The learn LED will stop flashing. The included remote will no longer function after programming with another remote. To reactive the remote, follow the above steps to relearn.

MULTIPLE SVS-52 UNITS WITH THE IR REMOTE
The included remote contains three separate codes sets to allow control of up to three SVS-52 units. The SVS-52 is set at the factory for unit A. To control a second SVS-52, press B on the remote and teach the unit all six buttons. Use C for a third unit. Now the remote can control three separate units. Just press A, B or C before pressing the inputs buttons to select which unit to control.

NOTES ON DIGITAL AUDIO INPUTS/OUTPUTS
Inputs 1 and 3 on the SVS-52 have TOSLINK connectors in addition to the coax digital inputs. Inputs 1 and 3 can use either TOSLINK or COAX but not both. If both TOSLINK and COAX connectors are used, the TOSLINK connector input will be ignored (even if no active signal is present on the COAX input). There are two COAX outputs and one TOSLINK output - all three are active regardless of the type of digital input used. The SVS-52 automatically converts digital inputs to both COAX and TOSLINK outputs.